

AIM Ann Report
1885 to 1886

REPORT

OF THE

AUCKLAND INSTITUTE

AND

MUSEUM

FOR 1885-86.

Adopted at the Annual Meeting held February 22nd, 1886.

Auckland :

PRINTED AT THE EVENING STAR OFFICE, SHORTLAND AND FORT STREETS.

MDCCCLXXXVI.

AIM Ann Report
1885 to 1886

RECEIVED

1885

1 CM IN



AIM Ann Report
1885 to 1886

REPORT
OF THE
AUCKLAND INSTITUTE
AND
MUSEUM.
FOR 1885-86.

ADOPTED AT THE ANNUAL MEETING, HELD ON FEBRUARY 22nd, 1886

Auckland :

H. BRETT, PRINTER, STAR OFFICE, SHORTLAND AND FORT STREETS.

MDCCCLXXXVI.

AIM Ann Report
1885 to 1886

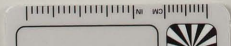
REPORT
OF THE
ALABAMA INSTITUTE

MUSEUM

FOR 1885

AND THE YEAR 1886

ALABAMA INSTITUTE OF SCIENCE



OFFICERS
OF THE
AUCKLAND INSTITUTE.

PRESIDENT :

PROF. F. D. BROWN, B. Sc.

VICE-PRESIDENTS :

J. A. POND, Esq.

H. G. SETH SMITH., Esq.

COUNCIL :

BABER, J. Esq., C.E.

MOORE, J. M., Esq., M.D.

COOPER, C., Esq.

PEACOCK, T., Esq., M.H.R.

HAULTAIN, Hon. Col.

PURCHAS, Rev. A.G., M.R.C.S.E.

MACKECHNIE, E. A., Esq.

SMITH, S. P., Esq., F.R.G.S.

MARTIN, J., Esq., F.G.S.

STEWART, J., Esq., C.E.

THOMAS, Prof. A. P., F.L.S.

SECRETARY AND TREASURER :

T. F. CHEESEMAN, Esq., F.L.S., F.Z.S.

AUDITOR :

J. REID, Esq.

AIM Ann Report 1885 to 1886

THE FOLLOWING MAGAZINES AND PERIODICALS ARE CIRCULATED AMONGST
THE MEMBERS :

Quarterly Journal of Microscopical Science

Journal of Science

Popular Science Review

The Ibis

Nature

Geological Magazine

Lancet

Scientific American

The Academy

Knowledge

Botanical Magazine

Gardeners' Chronicle

Chemical News

Engineering

Science Gossip

Electrical and Telegraphic Review

Journal of the Society of Arts

Annals and Magazine of Natural History

Food

The Building World

REPORT.

THE Council have pleasure in presenting to the members the usual Annual Report on the progress and general condition of the Institute.

Members.—Twenty new members have been elected since the date of the last Report. In 1884 the number of elections was 23, and in 1883, 12. The losses, which are unusually heavy, may be classified as follows: from death, 5; from resignation, 8; and from non-payment of subscription for two consecutive years, 11; making 24 in all. The total number standing on the roll of the Institute at the present time is 300.

The Council are sorry to state that the list of deaths includes the names of several members who have occupied official positions in connection with the Institute, or who have been amongst its most notable benefactors. Mr. T. Macfarlane for many years filled the office of auditor, with credit to himself and the Institute. Mr. Heale was twice elected President, in addition to a service of long standing on the Council. To his active and zealous exertions and ever-ready advice and assistance the Society is indebted for much of its progress during past years. Finally, in Mr. J. T. Mackelvie the Institute has lost a member who more than any other has enriched the Museum and Library with donations, and whose munificence in providing for the establishment and maintenance of an Art Gallery will always endear his name to the people of Auckland.

FINANCE.—The Treasurer's balance-sheet, which is appended to this Report, gives a full statement of the financial position of the Institute. The total revenue of the general account has been £975 1s. 8d. In 1884 the amount was £687 1s. 6d. The receipts from the invested funds of the Costley bequest have been £582 10s. 10d., and the members' subscriptions, etc., £263 11s. The last item is under the average of the previous three or four years, but it is hoped that the falling off is only temporary. The expenditure has been larger than was anticipated, being increased by several unforeseen payments. The total amount is £1078 3s. 3d., leaving a balance of £103 1s. 7d. due to the Bank of New Zealand.

MUSEUM ENDOWMENT.—A sum of £900, received during the previous year from sales of small portions of the landed endowment of the Museum, has been invested in mortgage on good freehold security. Several small blocks have also been sold during the present year, but

AIM Ann Report

1885 to 1886

the proceeds are yet in the hands of the Government. The Council regret that it has not been possible to realise a larger proportion of the capital sum of the endowment, but it is difficult to dispose of country lands to advantage at the present time.

INCORPORATION OF THE INSTITUTE.—It has long been felt that the real property of the Institute was held in a most unsatisfactory manner, and with the view of improving the position of affairs the Council have frequently had the matter under their consideration. At first it was proposed to incorporate either the whole body of the Institute or the Council; but, on legal advice being taken, it appeared that serious technical difficulties existed. Ultimately it was decided to vest the whole of the real and personal property of the Institute in the Trustees appointed under the Museum Endowment Act, and to obtain their incorporation under the provisions of the Religious, Charitable, and Educational Trust Boards Act, 1884. At a special general meeting, summoned for the purpose, the additional rules were passed authorising this course, and the Trustees have since been formally incorporated under the name of "The Auckland Institute and Museum Trust Board." In order to avoid possible conflict of authority, care has been taken that the Trustees can only act in accordance with the resolutions of the governing body of the Institute.

MEETINGS.—Seven meetings have been held during the year. The following is a full list of the papers read :—

1. Inaugural Address, by the President, J. A. POND.
2. New Species of *Carabidæ*, CAPT. T. BROWN, F.E.S.
3. On a New Species of *Chromodoris*, by T. F. CHEESEMAM, F.L.S., F.Z.S.
4. Notes on the Stitch Bird (*Pogonornis cincta*), by A. REISCHEK, F.L.S.
5. Objections to the Theory of Evolution, by J. BUCHANAN.
6. On the Growth of Transplanted Trees, by J. BABER, C.E.
7. On the Maintenance of the Sun's Heat, by Prof. F. D. BROWN.
8. Notes on Parkinson's Petrel, by A. REISCHEK.
9. Notes on Cook's Petrel, by A. REISCHEK.
10. The Sphygmograph, by J. MURRAY MOORE, M.D.
11. Prehistoric Weapons, by J. MARTIN, F.G.S.
12. On the New Zealand Species of *Puffinus*, with Remarks on a New Variety of the Tuatara, by A. REISCHEK.
13. On the Influence of the Means of Transit on the Social Condition of the People, by S. VAILE.
14. New Species of New Zealand Spiders, by A. T. URQUHART.
15. On the Minerals of the Cape Colville Peninsula, by J. A. POND.

16. Observations on the Habits of certain New Zealand Birds, by A. REISCHEK.
17. Descriptions of Three New Species of *Coprosma*, by T. F. CHEESEMAM.
18. Notes on the Habits of the Stoat and Weasel, by A. REISCHEK.
19. Description of the New Volcano in the Friendly Islands, by the Rev. S. W. BAKER.
20. On the Building Timbers of Auckland, by E. BARTLEY.
21. The Survival of the Fittest, by E. A. MACKECHNIE.

The use of the Lecture Room has been granted to the newly formed Microscopical Society for its meetings, in which considerable interest has been taken.

MUSEUM.—The attendance of visitors continues to increase in a satisfactory ratio. With the view of obtaining statistics, the Curator has had the number counted on each Sunday, and occasionally on weekdays. The total attendance on Sundays has been 6,890, or an average of 130 for each day. On weekdays the average attendance has been about 60, making a total for the year of 18,720, or, including Sundays, of 25,610. Children are not included in the above enumeration.

Many interesting additions and donations have been made to the Museum; but as a complete list is appended to the Report, it is not necessary to describe them in detail here. Particular attention has been given to the formation of collections illustrating the fauna of New Zealand, and it is hoped that before long tolerably complete collections in each division may be exhibited to the public. Arrangements have also been made for exchanges with several foreign Museums, and large consignments are now on their way from both Europe and America.

The Council have special pleasure in drawing attention to the handsome Maori "Pataka," or chief's carved storehouse, deposited in the Museum by Mr. F. D. Fenton. This is probably the most perfect example of its kind now extant, and possesses historical associations of an interesting character. The thanks of the people of Auckland are certainly due to Mr. Fenton for having rescued it from neglect and impending decay, and placed it in a position of comparative safety. The Maori war-canoe presented by the Government to the Museum has been brought from the native settlement at Orakei, where it had been lying for so many years, and placed in a canoe-house erected at the south side of the Museum. Arrangements have been made for refitting it in accordance with old Maori style.

AIM Ann Report

1885 to 1886

In connection with this subject, it may be mentioned that it is intended to put together as complete a collection as possible of specimens illustrating the manners and customs of the Maori race. No time is to be lost in doing this, for very few years will make it impossible to secure many articles once in common use. The Council trust to have the active co-operation of the members in this matter.

ART COLLECTIONS.—Members are doubtless aware that the late Mr. J. T. Mackelvie made provision in his will for the erection of an independent Art Gallery to contain the paintings, etc., deposited by him in the Museum. Until the trustees under the will are in a position to erect the building, the collections will remain in the Museum on deposit as before.

The Council have to acknowledge the presentation by Mr. George Graham of an excellent life-size photograph by Mayall of the well-known philanthropist Sir Moses Montefiore, taken on his ninety-ninth birthday.

LIBRARY.—It is to be regretted that the new regulations issued by the Government have precluded the Institute from obtaining a share of the annual grant distributed under the Public Libraries Subsidies Act. A considerable expenditure has been incurred during the year in binding the arrears of periodical literature, magazines, etc., so that few purchases of books have been made. Arrangements have been made for regularly subscribing to the publications of the chief English scientific societies, and a first instalment will shortly arrive from London.

THANKS.—Before concluding the Report, the Council wish to tender the thanks of the Institute to the numerous donors to the Museum and Library whose names are mentioned in the appended list; also to Messrs. W. K. Graham & Co. and Mr. Hugh Craig, for their valued services as agents of the Institute in London and San Francisco. Thanks are also due to the Pacific Mail Steamship Company and the New Zealand Shipping Company for their liberality in carrying freight-free all packages intended for the Museum.

INVESTMENTS OF THE AUCKLAND INSTITUTE.

COSTLEY BEQUEST—

	£	s.	d.
On Mortgage on Freehold Security at 7 per Cent. ...	7,000	0	0
Deposited with Industrial and Provident Building Society at 6 per Cent. ...	1,000	0	0
Deposited with Industrial and Provident Building Society at 7 per Cent. ...	150	0	0
Deposited with Permanent Co-operative Building Society at 6 per Cent. ...	1,050	0	0

MUSEUM ENDOWMENT—

On Mortgage on Freehold Security ..	900	0	0
-------------------------------------	-----	---	---

INVESTMENT FUND FOR LIFE SUBSCRIPTIONS—

Deposited in Auckland Savings Bank at 5 per Cent. ...	113	12	0
---	-----	----	---

TOTAL INVESTMENTS	£10,213	12	0
-------------------	---------	----	---

T. F. CHEESEMAN,

TREASURER.

February 16, 1886.

The Treasurer in Account with the Auckland Institute.

FEBRUARY 10, 1885, TO FEBRUARY 16, 1886.

	£	s.	d.		£	s.	d.
Entrance Fees and Subscriptions	263	11	0	Balance due Bank of New Zealand, February 10, 1885	21	14	10
Rents	102	3	4	Books, Periodicals, Binding	97	17	4
Interest from the Costley Bequest	582	10	10	Additions to Museum, Collection of Specimens	57	13	6
Refunds	20	0	0	Museum Requisites, Fittings, etc.	95	0	7
Miscellaneous Receipts	6	16	6	Printing, Advertising, Postages, Stationery, Gas, Insurance, Expenses of Meetings, etc.	111	3	8
Balance due Bank of New Zealand, February 16, 1886	103	1	7	Curator	300	0	0
				Taxidermist	200	0	0
				Janitor, Attendant on Sundays, etc.	86	0	0
				Fencing of Allotment, Repairs to Buildings	43	0	10
				Payment to New Zealand Institute towards cost of "Transactions"	21	15	0
				Legal Expenses	17	16	6
				Sundries	6	11	6
				Interest on previous Overdraft	19	9	6
	<u>£1,078</u>	<u>3</u>	<u>3</u>		<u>£1,078</u>	<u>3</u>	<u>3</u>

Examined and found correct.

JOHN REID, AUDITOR.

February 16, 1886.

T. F. CHEESEMAN, TREASURER.

Investment Fund Account.

	£	s.	d.		£	s.	d.
Cash in Auckland Savings Bank, February 10, 1885 ...	98	0	9	Cash in Auckland Savings Bank, February 16, 1886 ...	113	12	0
Life Subscription	10	10	0				
Interest to December 31, 1885	5	1	3				
	<u>£113</u>	<u>12</u>	<u>0</u>		<u>£113</u>	<u>12</u>	<u>0</u>

MUSEUM ENDOWMENT ACCOUNT.

Cash in Bank of New Zealand, February 10, 1885 ...	899	18	2	Invested on Mortgage	900	0	0
Transferred from Costley Fund	10	0	0	Refund to Costley Account	10	0	0
Interest on Investments	47	5	0	Contract for Canoe House	42	0	0
				Balance in Bank of New Zealand, February 16, 1886...	5	3	2
	<u>£957</u>	<u>3</u>	<u>2</u>		<u>£957</u>	<u>3</u>	<u>2</u>

COSTLEY FUND ACCOUNT.

Balance in Bank of New Zealand, February 10, 1885...	1,061	0	10	Lodged on Deposit with Auckland Permanent Building Society	1,050	0	0
Received from Executors of Costley Estate ...	150	0	0	Lodged on Deposit with Industrial and Provident Building Society	150	0	0
Refund from Museum Endowment Account ...	10	0	0	Transferred to Museum Endowment Account ...	10	0	0
Interest on Investments	571	10	0	Transferred to General Account	582	10	10
	<u>£1,792</u>	<u>10</u>	<u>10</u>		<u>£1,792</u>	<u>10</u>	<u>10</u>

Examined and found correct.

T. F. CHEESEMAM, TREASURER.

February 16, 1886.

JOHN REID, AUDITOR.

AIM Ann Report
1885 to 1886

ADDITIONS AND DONATIONS

TO THE
LIBRARY AND MUSEUM.

- Colonial Museum and Laboratory Report for 1884; Reports on Geological Explorations—The Director of the Geological Survey.
Parliamentary Papers and Reports; New Zealand Hansard for 1885; New Zealand Statutes, 1885; Statistics of New Zealand for 1884—The New Zealand Government.
Statistics of Tasmania for 1884; Walch's Tasmanian Almanac—The Colonial Secretary, Tasmania.
Journal of the Royal Society of New South Wales, vol. xviii.—The Society.
Journal of the Linnean Society of New South Wales, vol. x.—The Society.
Transactions of the Royal Society of South Australia, vol. vii.; Proceedings of the Agricultural Society of South Australia for 1883-4—The Society.
Proceedings of the Royal Colonial Institute, vol. xvi.—The Colonial Institute.
Publications of the Royal Geographical Society for 1885.—J. T. Mackelvie.
Memoirs and Bulletin of the Russian Geological Survey for 1882-83-84-85—The Survey.
Annals of the Malacological Society of Belgium—The Society.
Bulletin of the Italian Entomological Society—Professor H. H. Giglioli.
Proceedings of the American Association for the Advancement of Science for 1884; Reports of the Natural History Survey of Minnesota for 1878-83—Received through the Smithsonian Institution.
Progress Report of the Geological Survey of Canada for 1882-83-84; Macoun's Catalogue of Canadian Plants—The Geological Survey, Canada.
United States Monthly Weather Review—United States Consul, Auckland.
Publications of the Dun Echt Observatory, vol. iii.—The Earl of Crawford and Balcarres.
London, Edinburgh and Dublin Philosophical Magazine, 6 vols.—Professor F. D. Brown.
The Building World for 1885—The Publishers, per the Agent-General for New Zealand.
Food for 1885—The Publishers, per the Agent-General for New Zealand.
Journal of the Society of Arts for 1885—The Society.
New Zealand Statistics, 4 parts—W. D. Campbell.
Le Saye's Genealogical Atlas—T. E. Wyatt.
State Trials, from Henry IV. to Queen Anne; Chapman's Iliad—F. D. Fenton.
Gordon's Reflections in Palestine; Society in London—J. T. Mackelvie.
Old Copy of the Southern Cross—E. Isaacs.
-
- Life-size Photograph, by Mayall, of Sir Moses Montefiore, taken on his 99th birthday—G. Graham, Esq., Brighton, England.
-
- New Zealand Bird-skins—Purchased from A. Smyth, Dunedin.
New Zealand Bird-skins and Skeletons—Purchased from A. Reischek, Auckland.
Skin of Morepork—C. Williamson.
Skin of Morepork—W. Rattray.
Skin of *Procellaria Parkinsoni*—R. Bishop.
Skins of White Swan, Black Swan, and Swamp Crane—J. Brooks.

- Skin and Eggs of Emu—Reid Bros., Motutapu.
 Skin of Cassowary from New Guinea—J. Kerry.
 Eggs of Megapode from New Hebrides—J. Wood.
 New Zealand Birds' Eggs—J. Symons.
 Eggs of Kingfisher and Pigeon—J. Craig.
 New Zealand Fishes—P. S. Sandager.
 Hammer-head Shark—Major Morrow.
 New Zealand Mackerel—Capt. Stephenson.
 Eggs of Crocodile from Queensland—M. O'Connor.
 Green Lizard—Capt. Farquhar.
 New Zealand Shells—C. Matthews.
 New Zealand Shells—G. Johnstone.
 New Zealand Shells—T. L. White.
Pinna Zealandica—Miss Horne.
 Polynesian Shells—F. Aberg.
 Cuttle-fish (*Sepioteuthis*)—J. Miller.
 Brittle-stars—J. Munro.
Phasma sp. from Fiji—A. H. Collier.
 Hair-worm (*Gordius*)—H. Dobie.
 Sponges, etc., from the Bay of Plenty—E. B. Dickson.
 Auriferous Quartz and various Rock Specimens—J. Cornes.
 Calcite and other Minerals from the Thames—J. C. Steedman.
 Radiated Iron Pyrites from Mercury Bay—J. Monk.
 Various Mineral and Rock Specimens—J. A. Pond.
 Siliceous Sinter and Diatomaceous Earth—J. Kenderdine.
 Hematite—J. Baber.
 Silicified Wood— —, Hippiisley.
 Cinnabar—E. B. Dickson.
 Siliceous Encrustations from Rotorua—Mrs. Fenton.
 Ores of Silver, Copper, Tin, etc., from Port Darwin; Tin Ore from Queensland—
 M. O'Connor, Sydney.
 Rock Specimens from Queensland—S. Weetman.
 Rock Crystal from Australia—J. Howden.
 Opal from Queensland—J. Dall.
 Tertiary Fossils from near Alexandra—J. Millington.
 Carved Maori Pataka, or Chief's Food House—Deposited by F. D. Fenton, Esq.
 Maori Stone Adzes—H. Shortt.
 Maori Stone Adzes—A. Campbell.
 Maori Stone Adze—Col. Haultain.
 Maori Stone Adzes—Jas. Walker.
 Wooden Fern pounder—L. O'Neill.
 Large Canoe and Paddles from Solomon Islands—J. Wood.
 Fijian Gong—P. A. Phillips.
 Fijian Pottery—A. Eastgate.
 Portion of Maafu's Canoe, Fiji—E. Ford.
 Portion of the Wreck of the Orpheus—J. Marriott.
 Silver Coin—A. Mason.
 Silver Coin—A. Willthew.

AIM Ann Report 1885 to 1886

LIST OF MEMBERS,

For the Year ending March, 31, 1886.

[HONORARY AND LIFE MEMBERS DISTINGUISHED THUS *]

Adams, J., B.A., Thames	Burgess, E. W., Devonport
Aickin, G., Auckland	*Burton, Capt., London
Aitkin, W., "	Burton, W., Auckland
Aldis, Prof., "	Butt, W. A., Maketu
Alexander, C., "	
Alexander, J., "	Cameron, R., Auckland
Alexander, J. M., Auckland	Campbell, H., "
Allwright, H., C.E., "	Campbell, J. L., M.D., Auckland
Anderson, R., "	Campbell, W. D., F.G.S., "
Anderson, W., "	Carr, R. C., Remuera
Atkin, W., Tamaki	Chamberlin, Hon. H., Parnell
	Chambers, J., Auckland
Baber, J., C.E., Remuera	Champtaloup, E., "
Bagnall, L. J., Thames	Cheal, P. E., Thames
Baker, Rev. S. W., Auckland	Cheeseman, T.F., F.L.S., Auckland
Ball, T., Onehunga	Ching, T., Auckland
Ball, W. T., Auckland	Clark, A., Parnell
Banks, J., Auckland	Clark, J. M., Remuera
Barber, H. P., Parnell	Clark, M. A., "
Barstow, R. C., Epsom	Clarke, Ven. Arch. E. B., Waimate
Bartley, E., Devonport	Clayton, W. T., Auckland
Bates, Rev. J., Devonport	Coates, J., "
Bates, T. L., Auckland	Cobbett, C. N., M.D., Auckland
Batger, J., Auckland	Cochrane, W. S., "
Beere, D. M., C.E., Hamilton	Coleman, W. C., Parnell
Beetham, A., Henderson	Combes, F. H., Auckland
Bell, E., Auckland	Comiskey, P., "
Berry, W., Auckland	Cooke, C. E., "
Black, G. Thames	Coombes, S., "
Bond, J. H. R., M.D., Auckland	Compton, F. E., "
Bourne, C. F., M.A., "	Connell, W. H., "
Boylan, J. F., C.E., "	Coom, J., C.E., "
Brett, H., "	Cooper, C., "
Brigham, J. M., "	Cooper, T., "
Brock, A., "	Cowie, Rt. Rev. W.G., D.D., Bishop of Auckland
Broun, Capt. T., F.E.S., Howick	Cozens, G., Auckland
Brown, Prof. F. D., Auckland	Craig, Mrs. E., "
Browning, R., "	Cranwell, R., "
Bruce, Rev. D., "	Cranwell, T., Parnell
Buchanan, John, "	Cruikshank, D. B., Auckland
Buchanan, J., "	Cussen, L., "
Buchanan, W., Devonport	
*Buckland, A., Auckland	Darby, P., Auckland
Buckland, W. F., Remuera	Dawson, F. W., M.R.C.S.E., Auck- land
Buddle, T., Auckland	
Bull, A., Epsom	

AIM Ann Report 1885 to 1886

15

Dignan, Hon. P., Auckland
Dobson, Miss "
Douglas, C. "
Dufaur, E. T. "

Earl, W., Ohaewai
Eastham, S., Devonport
Eastman, H., Kaipara
Edson, J., Devonport
Edgecumbe, F. H., Ngaruawahia
Elam, J., M.R.C.S.E., Tamaki
Elliott, W., Auckland
Errington, W., C.E., Auckland
Ewington, F. G. "

Fairburn, J., Otahuhu
Fallon, D., Auckland
Farmer, J., London
Fenton, F. D., Auckland
Fidler, W., Whangarei
Firth, J. C., Auckland
Fisher, J. "
Fraser, G. "

Galbraith, D. R. S., Auckland
Gamble, T. T. "
Garland, H. N. "
George, C. S. "
George, S. T., Parnell
Gibbors, E., Onehunga
Gillies, His Hon. Justice, Auckland
Goldie, D., Auckland
Goldie, W. "
Goldsmith, E. C., Tauranga
Goodfellow, W., Otara
Gover, A. H., Remuera
Gorrie, W., Auckland
Grace, L. M., Auckland
Graham, W. A., Hamilton
Graham, W. K., London
Gray, A., Remuera
Grey, J., Auckland
Grey, C. "
Greenway, J. H. "
Gulliver, Rev. E. H., M.A., St.
John's College

Haines, C. H., M.D., F.R.G.S.,
Auckland
Hammond, W. F., Auckland
Hanmer, E. W. "
Hardie, J. "
Harding, S., C.E. "
Harker, N. "
Harrison, E. M. "
Haszard, H. D. M. "
Haultain, Hon. Col. "
Hay, J. "
Hay, W. M., Cambridge
Hean, D., Auckland
Heather, A. "

Henton, J. S., Auckland
Herapath, P. "
Herapath, S. M., Auckland
Hesketh, E. "
Hetley, C. F., Tauranga
Herbert, T., Parnell
Hill, W. J., Auckland
Hobart, J. B. "
Hobbs, R., M.H.K., Pokeno
Holdship, G., Auckland
Honeyman, J. H., M.D., Auckland
Horton, A. G. "
Howard, J. "
Hubbard, W. F., C.E. "
Hudson, C. "
Hughes, S. E. "
Hunt, R. R., "
Hunter, A. J., C.E. "
Hurst, W. J., M.H.R. "

Ireland, F., Auckland

Jackson, J. H., Patetere
Judd, A., Auckland

Kempt, D., Auckland
Kenderdine, J. "
Kenny, N., Thames
Kidd, A., Auckland
Kidd, Rev. R., LL.D., Auckland
* Kirk, T., F.L.S., Christchurch
Kitt, T. W., Auckland

Lamb, J., Auckland
Lanigan, Pierce, "
Larkins, F., Remuera
Larkworthy, F., London
* Leaf, C. J., F.L.S., F.G.S., London
Le Bailly, H. J., Devonport
Lee, W., M.D., Auckland
Lennox, J. M. "
* Lennox, N. G. "
Leys, T. W. "
Lindsay, J., C.E., Ngaruawahia
Lodder, W., Auckland
Luke, S., Otahuhu

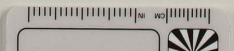
Maben, T., C.E., Auckland
MacElwaine, J., Newton
Macfarland, R. J., C.E., Ellerslie
Mackechnie, E. A., Auckland
Mackenzie, D. H. "
Macky, T. "
MacLaughlin, W., Papatoitoti
MacLean, E., Cambridge
Macmillan, C. C., Auckland
Mahoney, T. "
Mair, Capt. G., F.L.S., Tauranga
Mair, R., Whangarei
Mair, Major W. G., Auckland
Martin, J., F.G.S. "

AIM Ann Report

1885 to 1886

- Masefield, T. T., Auckland
 Maunsell, Archdeacon R., Parnell
 *Meinertzhagen, F. M., Napier
 Melville, T., Auckland
 McColl, J., Newmarket
 McCullough, W., Auckland
 McDowell, W. C., Auckland
 McGregor, A. "
 McLaren, J., Thames
 McLeod, D. J., Auckland
 Mitford, G. M., Parnell
 Moat, W. P., Mahurangi
 Moody, T. P., Kawakawa
 Moore, J. Murray, M.D., Auckland
 Morton, H. B. "
 Morrin, T. "
 Monro, H. A. H., Parnell
 Moss, F. H., M.H.R. "
 Murdoch, D. L., Auckland
 Murray, T. L., Thames
- Nathan, D., Auckland
 Nathan, L. D. "
 Nathan, A. H. "
 Nolan, D. "
 Northcroft, H. W., Hamilton
- O'Rorke, Sir G. M., Auckland
 O'Sullivan, R. J. "
 Owen, G. B. "
 Owen, G. W. "
- Palmer, W. J., Auckland
 Parsons, E. B. "
 Paul, Rev. J. S., Onehunga
 Peacock, T., M.H.R., Auckland
 Pierce, G. P. "
 Plumley, E. A. "
 Pond, J. A. "
 Purchas, Rev. A. G., M.R.C.S.E.,
 Auckland
- Rattray, W., Auckland
 Rawlings, M., Parnell
 Reid, J., Auckland
 Richmond, J. "
 Ring, C. "
 Robertson, J. "
 Ross, J. "
 Rose, R. "
 Russell, Jas. "
 Russell, J. B. "
 *Russell, T., London
 Rutherford, J. S., Kamo
- Sanders, C. W., Parnell
 Saunders, A., Auckland
- Shaw, H., Auckland
 Shera, J. M. "
 Shrewsbury, A., Parnell
 Sibbin, G., Auckland
 Simpson, F., Whangarei
 Sinclair, A., Auckland
 Smales, Rev. G., East Tamaki
 Smith, H. G. S., Auckland
 Smith, A.
 Smith, S. P., F.R.G.S., Parnell
 Steel, T. Fiji
 Stewart, J., C.E., Auckland
 Stockwell, W., M.R.C.S.E., Auck-
 land
 Street, C. H. Parnell
 Street, F., Auckland
- Tait, W., Auckland
 Taylor, A. K., Mount Albert
 Tebbs, Rev. Wm., Auckland
 Thomas, Captain, Coromandel
 Thomas, Professor A. P., F.L.S.,
 Auckland
 Thomson, Neil, Mahurangi
 Thorne, W., Auckland
 *Tinne, H., Liverpool
 Tinne, T. F. S., Auckland
 Tucker, Professor T. G., Melbourne
- Urquhart, A. T., Karaka
- Vaile, S., Auckland
 Vickers, S. "
- Waddel, W. R., Auckland
 Wade, H. G. "
 Wallis, Rev. Dr. "
 Waymouth, J. "
 Webb, F. R. "
 Webster, J., Hokianga
 Wells, T., Cambridge
 *Weetman, S., Auckland
 Whitaker, E. H. "
 Whitaker, Sir. F. "
 Wilkinson, G. T. "
 Will, W. "
 Williams, G. W., Remuera
 Williams, Ven. Archdeacon W. L.,
 Gisborne
 Williamson, Hon. Jas., Auckland
 Williamson, C. "
 Wilson, J. J., Whangarei
 Wilson, W. S., Auckland
 Winks, J., Parnell
 *Withy, E., Parnell
 Worthington, H., Auckland
 Wright, F. W., L.M.B., Toronto,
 Parnell

AIM Ann Report
1885 to 1886



AIM Ann Report
1885 to 1886



1 2 3 4 5 6 7 8 9 10 11 12 CM IN

